SUPERSCOPE®
BY marantz®

STEREO RECEIVER

Model R-1232

SERVICE DATA

— DEC. 1977 —

SUPERSCOPE INC.
20525, NORDHOFF STREET,
CHATSWORTH, CALIFORNIA 91311 · U.S.A.

SUPERSCOPE
AM/FM STEREO RECEIVER

TECHNICAL SPECIFICATIONS

AUDIO SECTION

Rated Power Output (continuous average per channel with all channels driven)	10W
Power Band	40Hz to 20kHz
Total Harmonic Distortion	1.0%
Load Impedance	8Ω
Input Sensitivity at 1,000Hz	
Phono	2.8mV for 10W output with 8Ω load
High Level	130mV for 10W output with 8Ω load
Frequency Response	15Hz to 50kHz, −3dB
Intermodulation Distortion	Less than 0.3% at rated power output with 8Ω load.
Damping Factor	Greater than 30 with 8Ω load
Dynamic Range (PHONO input to TAPE output)	64dB.
Equivalent Input Noise (from PHONO)	Less than 0.8μV for rated power amp output with 8Ω load
High Level Hum and Noise	0.8mV
Channel Separation at 1,000Hz	63dB
Input Impedance at 1,000Hz	
Phono	47kΩ
High Level	100kΩ

FM SECTION

Tuning Frequency Range	88 to 108MHz
Usable Sensitivity	2.2μV
Selectivity	56dB
Caputure Ratio	2.3dB
Image Rejection Ratio at 106MHz	48dB
Signal-to-Noise Ratio	
Monaural Mode	78dB
Stereo Mode	60dB
Total Harmonic Distortion	
Monaural Mode	0.2%
Stereo Mode	0.5%
Frequency Response (ref. 50 μsec de-emphases)	30Hz to 15kHz, ±1.0dB
Stereo Separation at 1kHz	46dB
Antenna Impedance	300Ω, balanced
AM Suppression	50dB

AM SECTION

Tuning Frequency Range	525 to 1605kHz
Usable Sensitivity	5μV
Selectivity	36dB
Image Rejection Ratio at 1,400Hz	42dB
Signal-to-Noise Ratio	52dB
Frequency Response	15Hz to 2.2kHz, −3dB
Total Harmonic Distortion	3.0%

GENERAL

Power Requirements	
European version	110, 120, 220 or 240V, AC50Hz
Power Consumption	
Idling Power	18W
Rated Power	65W
Maximum Power	75W
Cabinet Dimensions	
Height	4-13/16'' (121mm)
Width	16 8/16'' (420mm)
Depth	16 1/10'' (280mm)
Net Weight	16.1 lbs. (7.3kg)

* These specifications and exterior designs may be changed for improvement without notice.

PREPARATION FOR ALIGNMENT PRACTICE

1. Set the output volume control to the minimum position.
2. A dummy resistor of 47KΩ must be connected between the output terminals before alignment.

FM ALIGNMENT PROCEDURES

(Selector switch in the "FM" position)

Step	Signal Source Connection	Signal Frequency	Indicator Connection	Set Dial Pointer to:	Adjustment
FM IF ALIGNMENT					
1	Sweep generator to point Ⓓ through 5pF capacitor	10.7 MHz Marker at 10.6, 10.7 and 10.8 MHz	Oscilloscope to point Ⓔ through diode (1S24735)	Quiet point on band	L105 for maximum and symmetric response
2			Oscilloscope to point Ⓕ (J116)		L106 for straight and symmetric "S" curve response
3	Repeat steps 1 and 2.				
FM RF ALIGNMENT					
1	RF generator to FM antenna terminals through 300Ω, balanced matching network with RF level maintained below limit	87 MHz	VTVM to L or R channel tape output terminals	87 MHz (tuning gang closed)	L103 for maximum output
2		109 MHz		109 MHz (tuning gang opened)	CF-3 for maximum output
3		90 MHz		90 MHz	L101 and L102 for maximum output
4		106 MHz		106 MHz	CF-1 and CF-2 for maximum output
5	Repeat step 1 through 4.				
6	Check overall response curve and repeat above steps as necessary to obtain maximum sensitivity.				
7	No connection	No signal	DC VTVM 1-V range to point Ⓕ (J116)	98 MHz	L106 secondary core (upper) for 0 voltage reading
8	RF generator of 1mV output to FM antenna terminals through 300Ω, balanced matching network	98 MHz	Distortion meter to point Ⓕ (J116)		L106 primary core (bottom) for minimum distortion

MULTIPLEX ALIGNMENT PROCEDURES

(Selector switch in the "FM STEREO" position)

Step	Signal Source Connection	Signal Frequency	Indicator Connection	Set Dial Pointer to:	Adjustment
1	RF generator to FM antenna terminals or point Ⓒ (J101, J102) through 300Ω, balanced matching network with FM stereo simulator RF signal output 1mV (I.H.F.M.)	Pilot (19 KHz)	VTVM to J123	98 MHz	L302 for maximum output
2					L301 for maximum output
3		Stereo, left (1,000 Hz)	VTVM to right channel output terminal (J121)		R301 and L301 for minimum output
4		Stereo, right (1,000 Hz)	VTVM to left channel output terminal (J122)		
5		Pilot (19 KHz)	VTVM to right channel output terminal (J121)		L303 for minimum output
6		Pilot (19 KHz)	VTVM to lfet channel output terminal (J122)		L304 for minimum output
7	Repeat steps 3 and 4.				

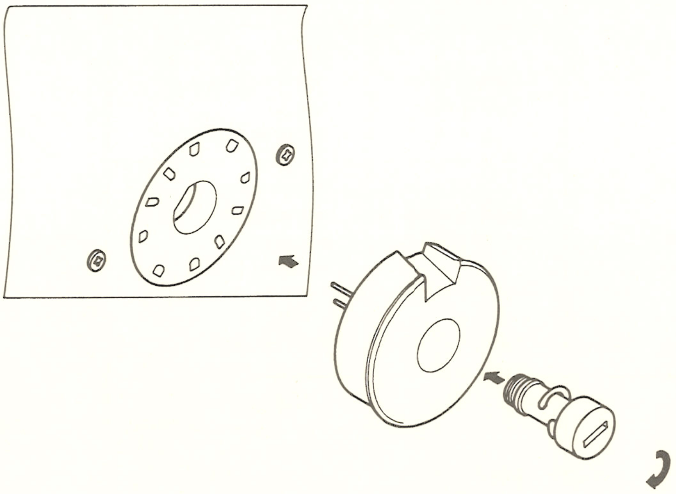
AM ALIGNMENT PROCEDURES

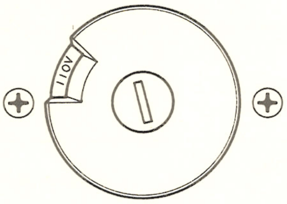
(Selector Switch in the "AM" position)

Step	Signal Source Connection	Signal Frequency	Indicator Connection	Set Dial Pointer to;	Adjustment
AM IF ALIGNMENT					
1	Sweep generator to point Ⓐ (J105)	Marker 455 KHz	Oscilloscope to point Ⓑ (J115)	Quiet point on band	L203 and L204 for maximum and symmetric response
2	Repeat Step 1.				
AM RF ALIGNMENT					
1	RF generator to AM antenna terminals through IHF dummy	515 kHz	VTVM to L or R channel tape output teminal	515 KHz (tuning gang closed)	L202 for maximum output
2		1,650 KHz		1,650 KHz (tuning gang opened)	CA-2 for maximum output
3		600 KHz		600 KHz	L001 for maximum output
4		1,400 KHz		1,400 KHz	CA-1 for maximum output
5	Repeat step 1 through 4 as necessary to obtain maximum sensitivity.				
6	RF generator of 60dB output to AM antenna terminals through IHF dummy	1,000 KHz	–	1,000 KHz	R204 until signal strength meter M001 may read 80%

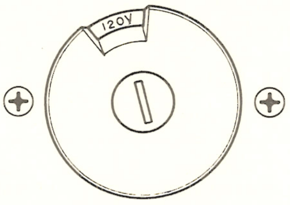
VOLTAGE CONVERSION

The R-1232 is equipped with a universal power transformer that may be adjusted to operate at 110V, 120V, 220V or 240V AC at 50 to 60 Hz.
To convert the unit to a different power source voltage, reposition conversion plug as shown in the illustration below.
CAUTION: DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE

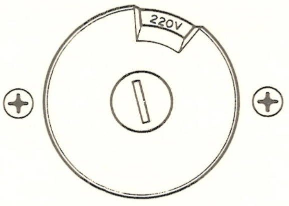




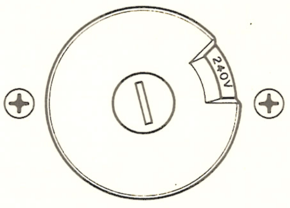
For 110V Operation



For 120V Operation



For 220V Operation



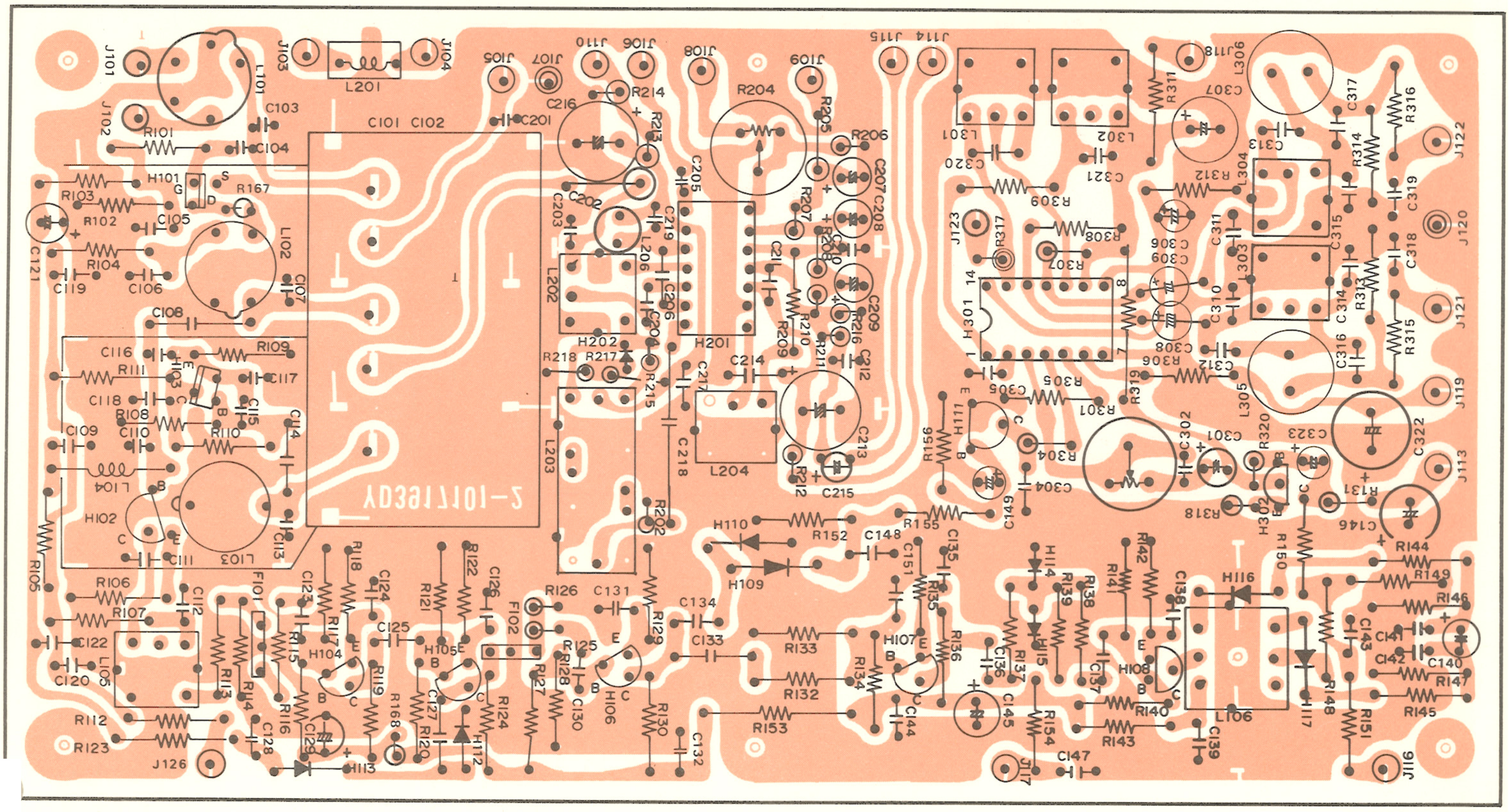
For 240V Operation

Instruction for the use in the range other than specified in FTZ codes

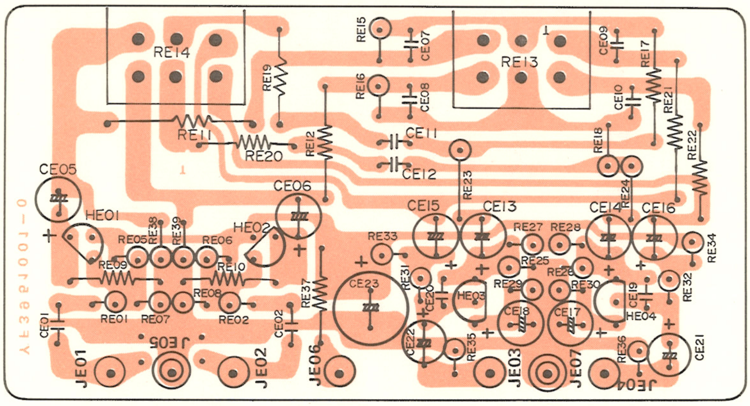
Achtung für die Leute, die in dem Gebiet wohnen, wo die FTZ-Bestimmungen vorherrschend sind.

Sollte das Gerät auch für Frequenzen auszerhalb des in den FTZ-Bestimmungen angegebenen Bereiches empfangebereit sein, bitten wir, den Bereich durch Nachstellen des Kernes in der Oszillatorspule (in der Abbildung mit "FTZ" gekennzeichnet) so zu korrigieren, dass er den Bestimmungen entspricht.

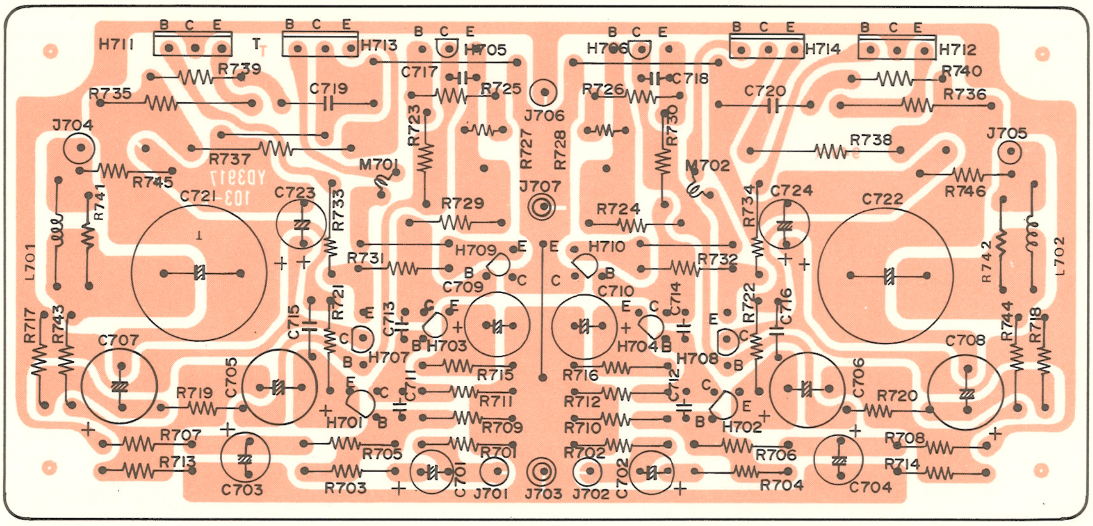
CIRCUIT BOARD DIAGRAMS (TOP VIEW)



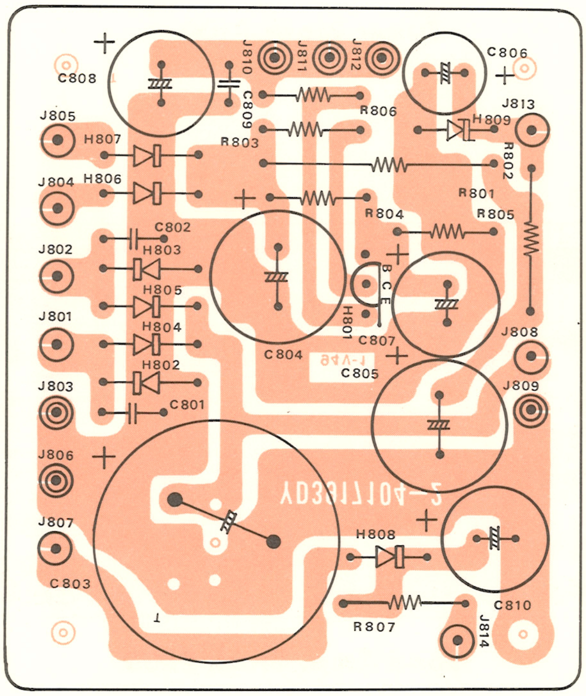
Tuner Block P100



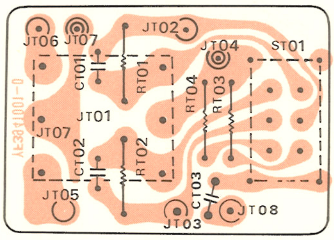
Tone Amp. Block PE00


H711
B C E
H713
H705
H706
H714
H712
R739
R735
C719
C717
R725
J706
R726
C718
C720
R740
R736
J704
R737
M701
R723
R727
R728
R730
M702
R738
J705
R745
R741
C721
C723
R733
J707
R729
R724
R734
C724
C722
R746
L701
H709
H710
R731
C709
R732
C710
R742
L702
R721
C715
C713
H703
H704
C714
R722
C716
R717
R743
C707
H707
H708
R744
R718
C708
R715
R716
R719
C705
C711
R711
R712
C712
C706
R720
H701
R709
R710
H702
R707
R705
R701
R702
R706
R708
R713
C703
R703
C701
J701
J703
J702
C702
R704
C704
R714

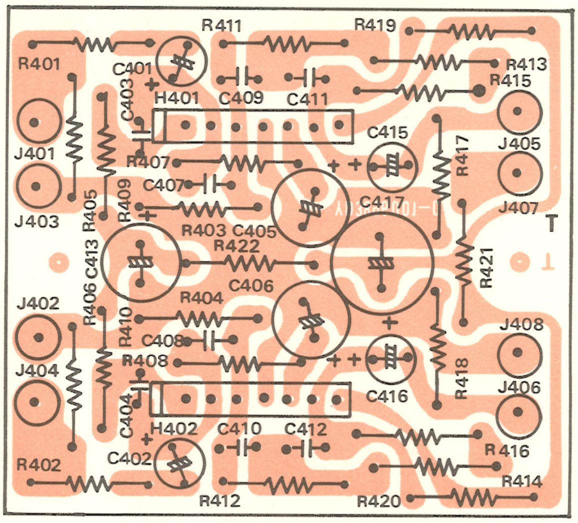
Main Amp. Block P700


C808
J810
J811
J812
C806
J813
C809
R806
H809
J805
H807
R803
R802
J804
H806
R801
R804
R805
C802
J802
H803
H801
H805
J801
H804
C807
C804
J808
H802
C805
J803
C801
J809
J806
J807
C803
H808
C810
R807
J814

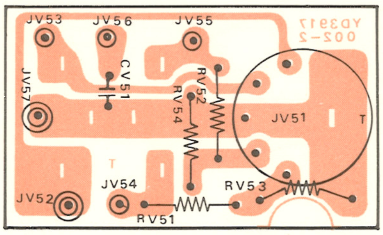
Power Source Block P800


JT06
JT07
JT02
JT04
ST01
CT01
RT01
RT04
RT03
JT01
JT07
CT02
RT02
JT05
CT03
JT03
JT08

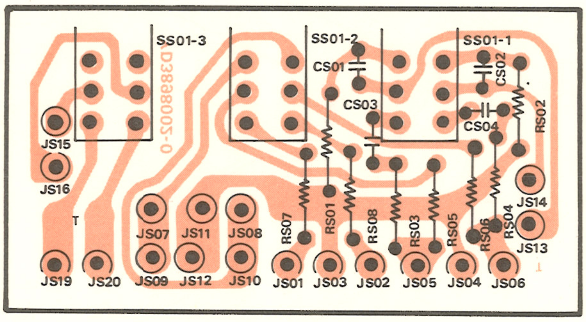
Input Terminal Assy. PT00


R411
R419
R401
C401
R413
R415
C403
H401
C409
C411
J401
C415
J405
R407
R417
C407
J403
R405
R409
C417
J407
R403
C405
R422
C413
R421
R406
C406
J402
R404
R410
C408
J408
J404
R408
R418
J406
C404
C416
H402
C410
C412
R402
C402
R416
R414
R412
R420
T

EQ. Amp. Block P400

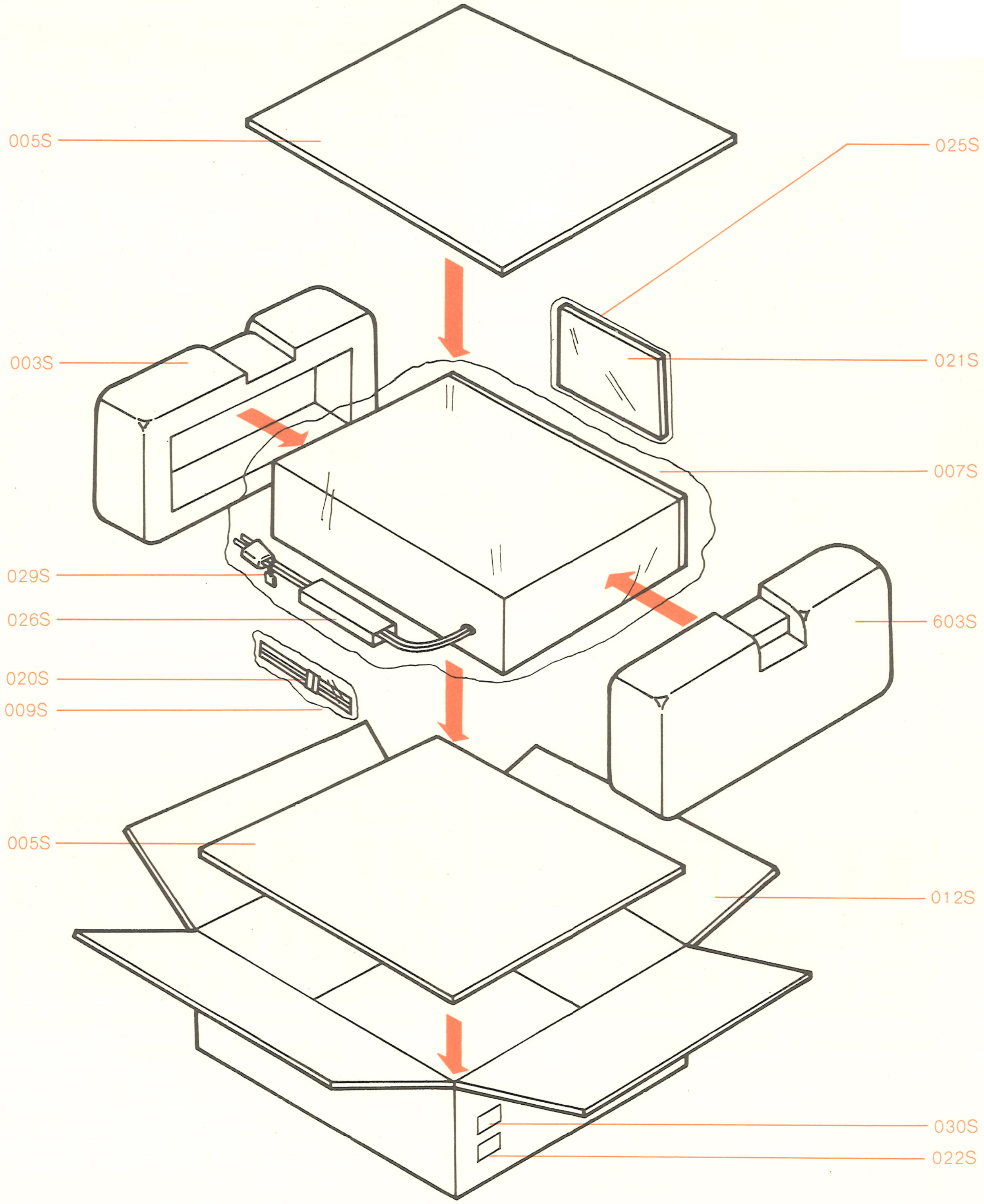

JV53
JV56
JV55
JV57
CV51
RV52
RV54
JV51
JV52
JV54
RV53
RV51
T

Tape In/Out Block PV51

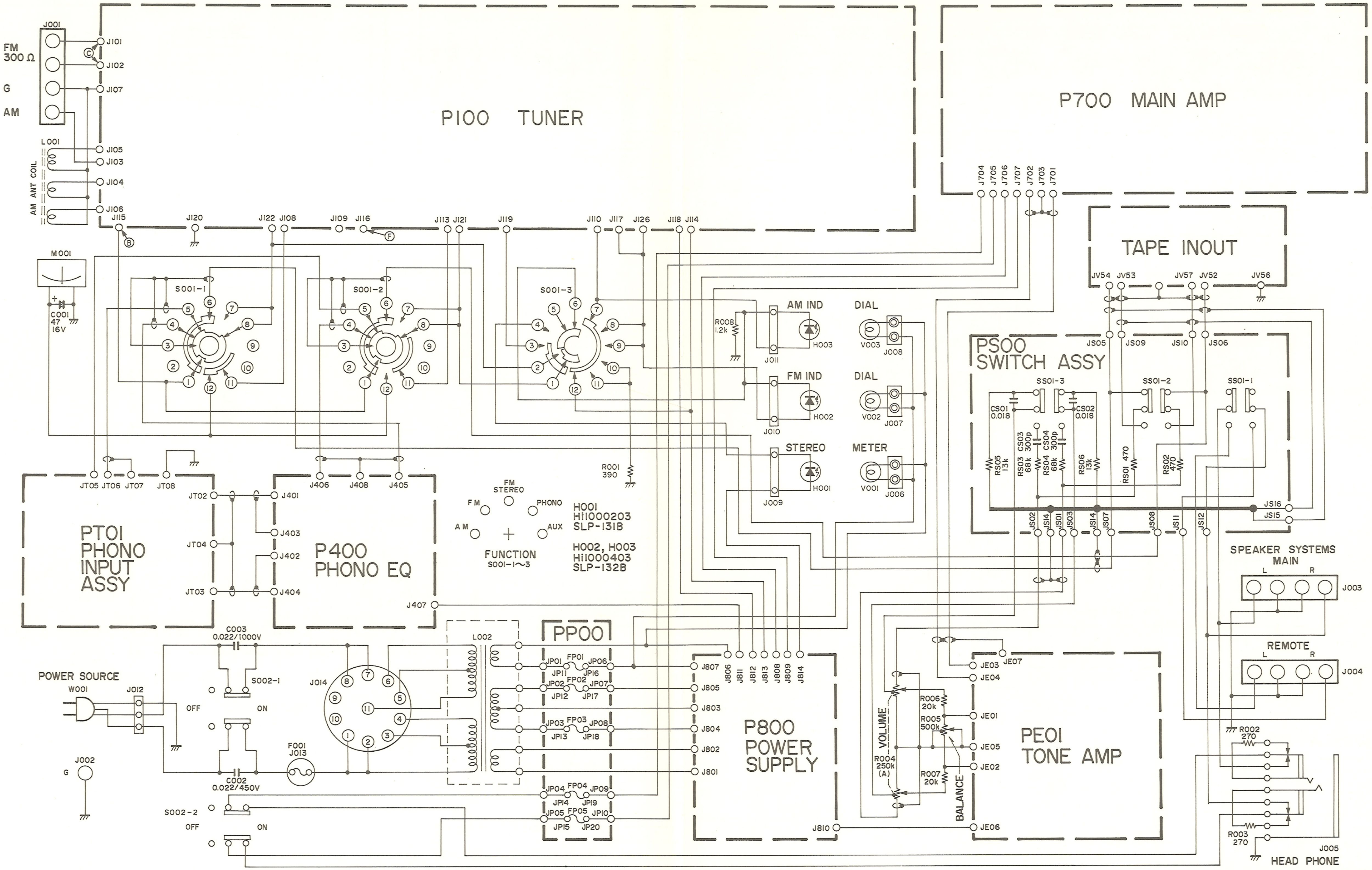

SS01-3
SS01-2
SS01-1
CS01
CS02
CS03
CS04
RS02
JS15
JS16
JS14
JS07
JS11
JS08
RS07
RS01
RS08
RS03
RS05
RS06
RS04
JS13
JS19
JS20
JS09
JS12
JS10
JS01
JS03
JS02
JS05
JS04
JS06
T

Switch Block PS00

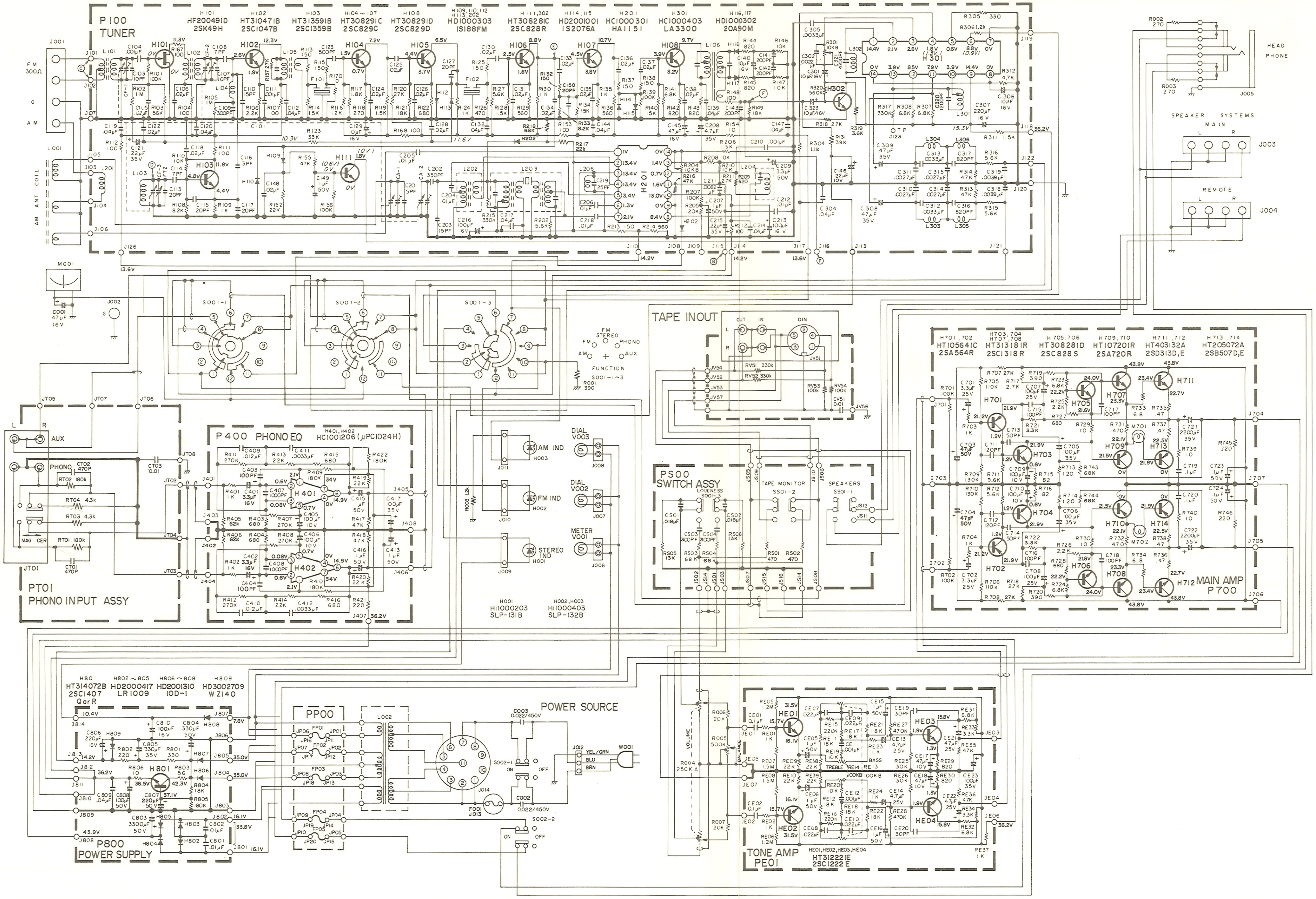
PACKING MATERIAL EXPLODED VIEW

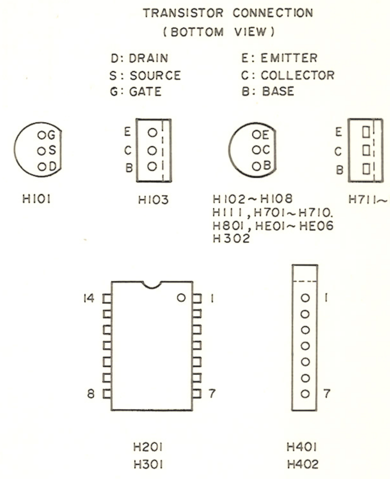

005S
025S
003S
021S
007S
029S
603S
026S
020S
009S
005S
012S
030S
022S

INTERCONNECTION DIAGRAM

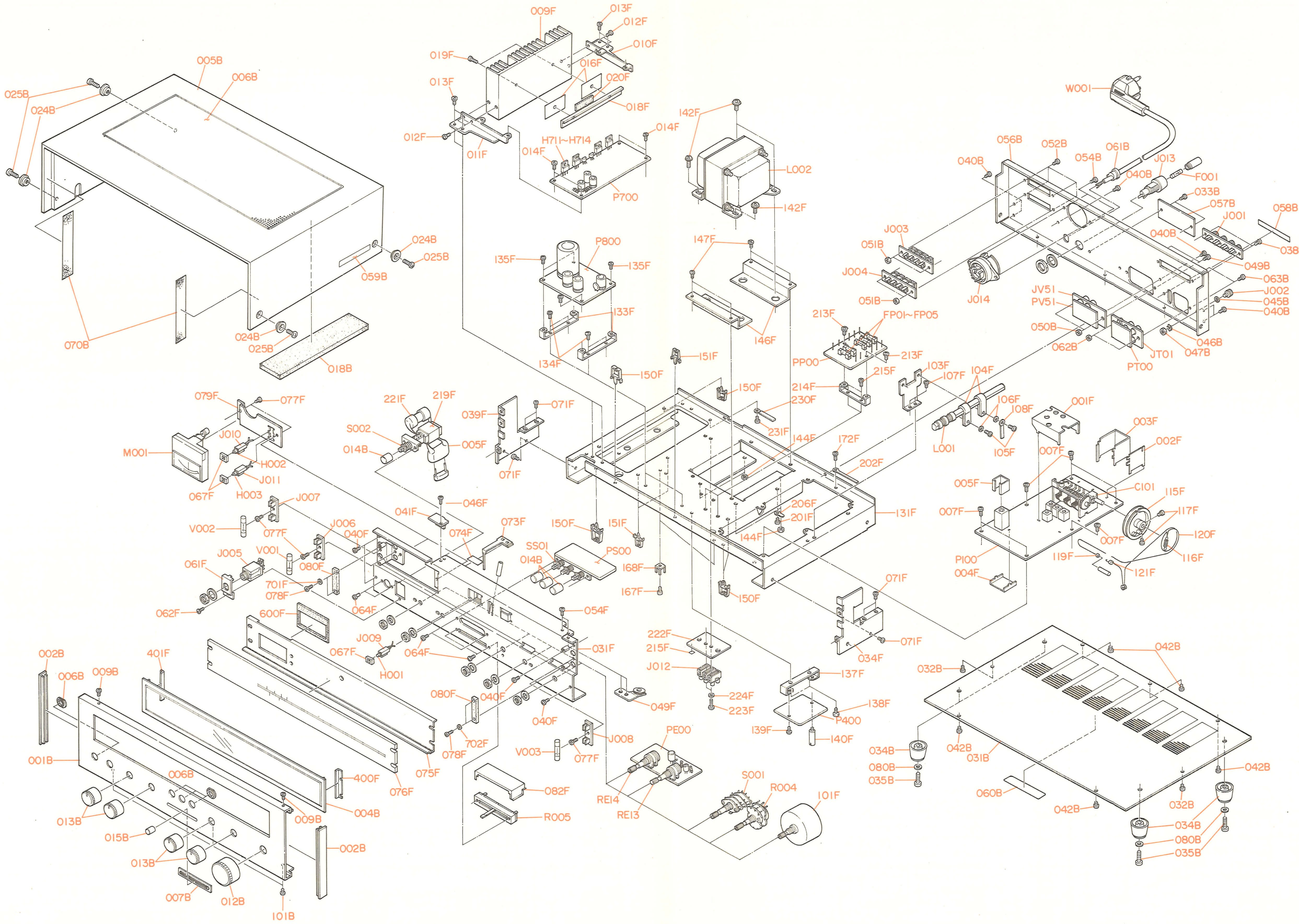

P100 TUNER
P700 MAIN AMP
FM 300 Ω
G
AM
J001
J101
J102
J107
J105
J103
J104
J106
J115
J120
J122
J108
J109
J116
J113
J121
J119
J110
J117
J126
J118
J114
L001
AM ANT COIL
J704
J705
J706
J707
J702
J703
J701
TAPE INOUT
JV54
JV53
JV57
JV52
JV56
M001
C001 47 16V
S001-1
S001-2
S001-3
AM IND
FM IND
STEREO
DIAL
DIAL
METER
R008 1.2k
J011
J010
J009
H003
H002
H001
V003
V002
V001
J008
J007
J006
R001 390
PS00 SWITCH ASSY
JS05
JS09
JS10
JS06
SS01-3
SS01-2
SS01-1
CS01 0.018
CS02 0.018
CS03 300p
CS04 300p
RS05 13k
RS03 68k
RS04 68k
RS06 13k
RS01 470
RS02 470
JS16
JS15
JS02
JS14
JS01
JS03
JS14
JS07
JS08
JS11
JS12
JT05
JT06
JT07
JT08
J406
J408
J405
JT02
JT04
JT03
J401
J403
J402
J404
J407
PT01 PHONO INPUT ASSY
P400 PHONO EQ
FM STEREO
FM
PHONO
AM
AUX
FUNCTION S001-1～3
H001 H11000203 SLP-131B
H002, H003 H11000403 SLP-132B
SPEAKER SYSTEMS MAIN
L
R
J003
REMOTE
L
R
J004
POWER SOURCE
W001
J012
C003 0.022/1000V
S002-1
OFF
ON
J014
C002 0.022/450V
F001 J013
J002
G
S002-2
OFF
ON
L002
PP00
JP01 FP01 JP06
JP11 JP16
JP02 FP02 JP07
JP12 JP17
JP03 FP03 JP08
JP13 JP18
JP04 FP04 JP09
JP14 JP19
JP05 FP05 JP10
JP15 JP20
J806
J811
J812
J813
J808
J809
J814
J807
J805
J803
J804
J802
J801
J810
P800 POWER SUPPLY
VOLUME
R004 250k (A)
R006 20k
R005 500k
R007 20k
BALANCE
JE03
JE07
JE04
JE01
JE05
JE02
JE06
PE01 TONE AMP
R002 270
R003 270
J005
HEAD PHONE

SCHEMATIC DIAGRAM


P100 TUNER
H101 HF200491D 2SK49H
H102 HT310471B 2SC1047B
H103 HT313591B 2SC1359B
H104～107 HT308291C 2SC829C
H108 HT308291D 2SC829D
H109,110,112 H113,202 HD1000303 1S188FM
H111,302 HT308281C 2SC828R
H114,115 HD2001001 1S2076A
H201 HC1000301 HA1151
H301 HC1000403 LA3300
H116,117 HD1000302 2OA90M
J001 FM 300Ω G AM
L001 AM ANT COIL
M001
C001 47µF 16V
J002 G
S001-1
S001-2
S001-3
FM STEREO FM PHONO AM AUX FUNCTION S001-1～3
R001 390
TAPE IN OUT
OUT IN DIN
P400 PHONO EQ H401,H402 HC1001206 (µPC1024H)
AUX PHONO MAG CER
PT01 PHONO INPUT ASSY
AM IND H003
FM IND H002
STEREO IND H001
DIAL V003
DIAL V002
METER V001
H001 HI1000203 SLP-131B
H002,H003 HI1000403 SLP-132B
PS00 SWITCH ASSY
LOUDNESS S001-3
TAPE MONITOR SS01-2
SPEAKERS SS01-1
HEAD PHONE J005
SPEAKER SYSTEMS MAIN L R J003
REMOTE L R J004
H701,702 HT105641C 2SA564R
H703,704 H707,708 HT313181R 2SC1318R
H705,706 HT308281D 2SC828S
H709,710 HT107201R 2SA720R
H711,712 HT403132A 2SD313D,E
H713,714 HT205072A 2SB507D,E
MAIN AMP P700
H801 HT314072B 2SC1407 Q or R
H802～805 HD20000417 LR1009
H806～808 HD2001310 10D-1
H809 HD3002709 WZ140
P800 POWER SUPPLY
PP00
POWER SOURCE
C003 0.022/450V
C002 0.022/450V
S002-1 ON OFF
S002-2 ON OFF
F001 J013
J012 YEL/GRN BLU BRN W001
VOLUME R004 250K A
BALANCE R005 500K
R006 20K
R007 20K
TONE AMP PE01
HE01,HE02,HE03,HE04 HT312221E 2SC1222E
TREBLE BASS


TRANSISTOR CONNECTION (BOTTOM VIEW)
D: DRAIN
S: SOURCE
G: GATE
E: EMITTER
C: COLLECTOR
B: BASE
OG OS OD
H101
E C B
H103
OE OC OB
H102～H108 H111, H701～H710, H801, HE01～HE06 H302
E C B
H711～H714
14 1 8 7
H201 H301
1 7
H401 H402

EXPLODED DIAGRAM OF MECHANISM


009F
013F
012F
010F
019F
016F
020F
013F
018F
012F
011F
H711~H714
014F
014F
P700
142F
L002
142F
005B
006B
025B
024B
W001
056B
052B
054B
061B
J013
040B
040B
F001
033B
057B
058B
J001
040B
038B
049B
063B
J002
045B
040B
J003
051B
J004
051B
J014
JV51
PV51
050B
062B
JT01
046B
047B
PT00
024B
025B
059B
070B
024B
025B
018B
P800
135F
135F
133F
134F
147F
146F
213F
FP01~FP05
PP00
213F
215F
214F
230F
231F
151F
150F
150F
103F
107F
104F
106F
108F
105F
L001
001F
003F
002F
079F
077F
221F
219F
039F
071F
S002
005F
014B
071F
M001
J010
H002
J011
067F
H003
J007
046F
041F
144F
172F
202F
206F
201F
131F
144F
005F
007F
C101
115F
117F
007F
120F
116F
P100
004F
119F
121F
V002
077F
J006
040F
074F
073F
150F
151F
SS01
014B
PS00
168F
167F
150F
071F
J005
V001
061F
080F
701F
078F
064F
062F
600F
054F
J009
067F
064F
H001
031F
222F
215F
J012
224F
223F
034F
071F
137F
138F
P400
139F
140F
032B
042B
034B
080B
035B
042B
031B
060B
042B
042B
032B
034B
080B
035B
002B
401F
006B
009B
001B
006B
013B
015B
013B
007B
012B
101B
009B
004B
002B
400F
076F
075F
080F
040F
040F
078F
702F
049F
V003
077F
J008
PE00
082F
R005
RE14
RE13
S001
R004
101F

PARTS LIST

REF. DESIG.	QTY	PART NO.	DESCRIPTION
A	1	3951063400	Front Panel Assembly, Gold
A1	1	3951063410	Front Panel Assembly, Black
001B	1	3951063012	Escutcheon, Gold
001B	1	3951063113	Escutcheon, Black
002B	1	3941063020	Escutcheon, Gold
002B	1	3941063120	Escutcheon, Black
004B	1	3941158012	Window
006B	4	2886259010	Bushing
007B	1	2854259012	Bushing
B	1	1202006400	Hook Assembly
119F	1	1202258012	Hook
120F	2	72080802A0	String
C	1	2219159410	Drum Assembly
115F	1	2219159010	Drum
116F	1	71101689L0	Spring
117F	2	51064019A9	P.H.M. Screw
			MECHANICAL PARTS
PE08	2	2933118020	Spacer
P108	2	2933118020	Spacer
P408	2	2933118020	Spacer
P707	4	3444118050	Spacer
P708	8	2933118020	Spacer
P807	8	3444118050	Spacer
P808	14	2933118020	Spacer
001F	1	3917109022	Shield
002F	1	2821109010	Shield
003F	1	3896109030	Shield
003S	2	3906803012	Partitioner
004B	1	3943064503	Case, wood
004B	1	3943064512	Case, black
004F	1	2850109020	Shield
005F	1	3918109010	Shield
005S	2	3941807010	Reinforcing
007F	6	51570306B0	P. tapped Screw, P3 x 6ST
007S	1	9014535350	Polyethylene Bag
008S	1	9011830010	Polyethylene Bag
009B	2	51280305B0	B.H. tapped Screw, B3 x 5ST
009F	1	3941267010	Heat Sink
009S	1	9013025010	Polyethylene Bag
010B	3	51280305B0	B.H. tapped Screw, B3 x 5ST
010F	1	3941160010	Bracket
011F	1	3941160020	Bracket
012B	1	3941154012	Knob
012F	4	51280306B0	B.H. tapped Screw, B3 x 6ST
012S	1	3951801010	Packing Case
013B	4	3943154023	Knob
013F	4	51570306B0	P. tapped Screw, P3 x 6ST
014B	4	3917154050	Knob
014F	4	51100306A9	B.H.M. Screw, B3 x 6
015B	1	3917154060	Knob
016F	2	2874118013	Spacer
018B	1	3918269010	Protector
018F	1	2874005010	Clamper
019F	2	51100314A9	B.H.M. Screw, B3 x 14
020F	1	3917118012	Spacer
020S	1	ZA02000080	External Antenna
021F	1	1210005010	Clamper
021S	1	3951851010	Instructions
022S	1	9510911040	Label
024B	4	3906259010	Bushing
025B	4	51100412S9	B.H.M. Screw, B4 x 12
025S	1	9013025010	Polyethylene Bag
026S	1	9560000042	Hang Tag

REF. DESIG.	QTY	PART NO.	DESCRIPTION
029S	1	9560000090	Hang Tag
030S	3	9523015130	Serial No. Card
031B	1	2871257013	Lid
031F	1	3942160503	Bracket
032B	2	51100305S9	B.H.M. Screw, B3 x 5
033B	2	51760306B0	O.S. tapped Screw, O3 x 6ST
034B	4	2872057012	Leg
034F	1	3943160510	Bracket
035B	4	51440418A9	L. Washer Screw
038B	2	51280305U0	B.H. tapped Screw, B3 x 6ST
039F	1	3943160030	Bracket
040B	6	51100306S9	B.H.M. Screw, B3 x 6
040F	4	51280306B0	B.H. tapped Screw, B3 x 6ST
041F	1	3943262500	Pulley
042B	2	51280306U0	B.H. tapped Screw, B3 x 6ST
044B	1	62041760W0	Lug
045B	1	54020401E0	Flat Washer, P.
046B	1	54050400R0	T.L. Washer OR
046F	1	51280305B0	B.H. tapped Screw, B3 x 5ST
047B	1	53110403A9	Hexagon Nut
049B	2	51100308S9	B.H.M. Screw, B3 x 8
049F	1	3943262512	Pulley
050B	2	53110303A9	Hexagon Nut
051B	4	53110303A9	Hexagon Nut
052B	4	51100308S9	B.H.M. Screw, B3 x 8
054B	2	51100308S9	B.H.M. Screw, B3 x 8
054F	2	51100305A9	B.H.M. Screw, B 3 x 5
056B	1	3951160225	Bracket
057B	1	3951265040	Indicator
058B	1	9510911040	Label
059B	1	2932861010	Label
060B	1	2578861010	Label
061B	1	1455259040	Bushing
061F	1	3941160030	Bracket
062F	1	51280306B0	B.H. tapped Screw, B3 x 6ST
064F	6	51100305A9	B.H.M. Screw, B3 x 5
067F	3	2978259060	Bushing
070B	2	3941056110	Buffer
071F	6	51570306B0	P. tapped Screw, P3 x 6ST
073F	1	3943103010	Pointer
074F	1	3943118020	Spacer
075F	1	3941063034	Escutcheon
076F	1	3941302012	Dial
077F	5	51280306B0	B.H. tapped Screw, B3 x 6ST
078F	4	51102606A0	B.H.M. Screw B2.6 x 6
079F	1	3943160040	Bracket
080F	2	3941118012	Spacer
082F	1	3918109023	Shield
101F	1	2873273500	Flywheel
103F	1	3918271010	Holder
104F	2	1502271010	Holder
105F	2	51100308A9	B.H.M. Screw,B3 x 8
106F	2	54020401A9	Flat Washer, P.
107F	2	51570308B0	P. tapped Screw, P3 x 8ST
108F	1	1382005030	Clamper
121F	1	56382540G0	Eyelet
131F	1	3898105023	Chassis
133F	3	2851160050	Bracket
134F	6	51570306B0	P. tapped Screw, P3 x 6ST
135F	6	51100306A9	B.H.M. Screw, B3 x 6
137F	2	3896160060	Bracket
138F	4	51100304A9	B.H.M. Screw
139F	3	51100306A9	B.H.M. Screw
140F	1	3918101010	Support
142F	4	51490410A9	L. Washer Screw
144F	4	53110403A9	Hexagon Nut

REF. DESIG.	QTY	PART NO.	DESCRIPTION
146F	2	2871160113	Bracket
147F	4	51570306B0	P. tapped Screw, P3 x 6ST
149F	1	53110303A9	Hexagon Nut
150F	6	2886005050	Clamper
151F	4	2886005060	Clamper
161F	3	3920101020	Support
162F	3	51102604A9	B.H.M. Screw, B2.6 x 4
163F	3	54042602A0	Spring Washer
167F	2	51570306B0	P. tapped Screw, P3 x 6ST
168F	2	2910123010	Contactor
172F	1	51600306B0	Washer Screw
180F	1	51570306B0	P. tapped Screw, P3 x 6ST
201F	1	51570306B0	P. tapped Screw, P3 x 6ST
202F	1	2871005010	Clamper
203F	1	2821005010	Clamper
206F	1	62030039W0	Lug
207F	1	53110303A9	Hexagon Nut
211F	1	3918114010	Stopper
212F	2	51570305B0	P. tapped Screw, P3 x 5ST
213F	2	51100306A9	B.H.M. Screw, B3 x 6
214F	1	2854160030	Bracket
215F	2	51570306B0	P. tapped Screw, P3 x 6ST
216F	2	51570306B0	P. tapped Screw, P3 x 6ST
217F	1	2882861020	Label
218F	1	9510221010	Label
219F	1	3951120012	Insulator
220F	1	3918120010	Insulator
221F	2	2970120030	Insulator
222F	1	4113120010	Insulator
223F	2	51570315B9	P. tapped Screw, P3 x 15ST
224F	2	54010300E0	Flat Washer, S.
230F	1	62030039W0	Lug
231F	1	51570305B0	P. tapped Screw, P3 x 5ST
400F	1	3941053010	Cover
401F	1	3941053110	Cover
500F	1	3926120010	Insulator
600F	1	3941118022	Spacer
			ELECTRICAL PARTS
CE01	1	DF17104010	Capacitor, Film, 0.1µF, 50V
CE02	1	DF17104010	Capacitor, Film, 0.1 µF, 50V
CE05	1	EE10505050	Capacitor, Electrolytic, 1 µF, 50V
CE06	1	EE10505050	Capacitor, Electrolytic, 1 µF, 50V
CE07	1	DF16223010	Capacitor, Film, 0.022 µF, 50V
CE08	1	DF16223010	Capacitor, Film, 0.022 µF, 50V
CE09	1	DF16223010	Capacitor, Film, 0.022 µF, 50V
CE10	1	DF16223010	Capacitor, Film, 0.022 µF, 50V
CE11	1	DF16102010	Capacitor, Film, 1000PF, 50V
CE12	1	DF16102010	Capacitor, Film, 1000PF, 50V
CE13	1	EE47502550	Capacitor, Electrolytic, 4.7 µF, 25V
CE14	1	EE47502550	Capacitor, Electrolytic, 4.7 µF, 25V
CE15	1	EE10505050	Capacitor, Electrolytic, 1 µF, 50V
CE16	1	EE10505050	Capacitor, Electrolytic, 1 µF, 50V
CE17	1	EA47601090	Capacitor, Electrolytic, 47 µF, 10V
CE18	1	EA47601090	Capacitor, Electrolytic, 47 µF, 10V
CE19	1	DD15300010	Ceramic, Capacitor, 30PF, 50V
CE20	1	DD15300010	Ceramic, Capacitor, 30PF, 50V
CE21	1	EE47502550	Capacitor, Electrolytic, 4.7 µF, 25V
CE22	1	EE47502550	Capacitor, Electrolytic, 4.7 µF, 25V
CE23	1	EA10703590	Capacitor, Electrolytic, 10 µF, 35V
HE01	1	HT312221E0	Transistor, 2SC1222 E
HE02	1	HT312221E0	Transistor, 2SC1222 E
HE03	1	HT312221E0	Transistor, 2SC1222 E
HE04	1	HT312221E0	Transistor, 2SC1222 E

REF. DESIG.	QTY	PART NO.	DESCRIPTION
JE01	1	YP10001130	Plug
JE02	1	YP10001130	Plug
JE03	1	YP10001130	Plug
JE04	1	YP10001130	Plug
JE05	1	YP10001130	Plug
JE06	1	YP10001130	Plug
JE07	1	YP10001130	Plug
PE00	1	YF39510010	P. W. Board (Print Only)
	1	ZZ39510010	Tone Amp Assembly
RE01	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
RE02	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
RE05	1	RT05125140	Resistor, Fixed, 1.2MΩ, ¼W
RE06	1	RT05125140	Resistor, Fixed, 1.2MΩ, ¼W
RE07	1	RT05155140	Resistor, Fixed, 1.5MΩ, ¼W
RE08	1	RT05155140	Resistor, Fixed, 1.5MΩ, ¼W
RE09	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
RE10	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
RE11	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
RE12	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
RE13	1	RM01040160	Resistor, Variable, 100KΩ, (B), Treble
RE14	1	RM01040160	Resistor, Variable, 100KΩ, (B), Bass
RE15	1	RT05224140	Resistor, Fixed, 220KΩ, ¼W
RE16	1	RT05224140	Resistor, Fixed, 220KΩ, ¼W
RE17	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
RE18	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
RE19	1	RT05103140	Resistor, Fixed, 10KΩ, ¼W
RE20	1	RT05103140	Resistor, Fixed, 10KΩ, ¼W
RE21	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
RE22	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
RE23	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
RE24	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
RE25	1	RT05303140	Resistor, Fixed, 30KΩ, ¼W
RE26	1	RT05303140	Resistor, Fixed, 30KΩ, ¼W
RE27	1	RT05474140	Resistor, Fixed, 470KΩ, ¼W
RE28	1	RT05474140	Resistor, Fixed, 470KΩ, ¼W
RE29	1	RT05821140	Resistor, Fixed, 820KΩ, ¼W
RE30	1	RT05821140	Resistor, Fixed, 820KΩ, ¼W
RE31	1	RT05682140	Resistor, Fixed, 6.8KΩ, ¼W
RE32	1	RT05682140	Resistor, Fixed, 6.8KΩ, ¼W
RE33	1	RT05332140	Resistor, Fixed, 3.3KΩ, ¼W
RE34	1	RT05332140	Resistor, Fixed, 3.3KΩ, ¼W
RE35	1	RT05473140	Resistor, Fixed, 47KΩ, ¼W
RE36	1	RT05473140	Resistor, Fixed, 47KΩ, ¼W
RE37	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
RE38	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
RE39	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
FP01	1	FS10400800	Fuse, 4A, 250V
FP02	1	FS10040800	Fuse, 400 mA, 250V
FP03	1	FS10040800	Fuse, 400 mA, 250V
FP04	1	FS10200800	Fuse, 2A, 250V
FP05	1	FS10200800	Fuse, 2A, 250V
JP01	1	YP10001130	Plug
JP02	1	YP10001130	Plug
JP03	1	YP10001130	Plug
JP04	1	YP10001130	Plug
JP05	1	YP10001130	Plug
JP06	1	YP10001130	Plug
JP07	1	YP10001130	Plug
JP08	1	YP10001130	Plug
JP09	1	YP10001130	Plug
JP10	1	YP10001130	Plug
JP11	1	YJ08000200	Jack

REF. DESIG.	QTY	PART NO.	DESCRIPTION
JP12	1	YJ08000200	Jack
JP13	1	YJ08000200	Jack
JP14	1	YJ08000200	Jack
JP15	1	YJ08000200	Jack
JP16	1	YJ08000200	Jack
JP17	1	YJ08000200	Jack
JP18	1	YJ08000200	Jack
JP19	1	YJ08000200	Jack
JP20	1	YJ08000200	Jack
PP00	1	YD38980052	PW Board (Print Only)
	1	ZZ38987050	Fuse Assembly
CS01	1	DF16183010	Capacitor, Film 0.018 μF 50V
CS02	1	DF16183010	Capacitor, Film 0.018 μF 50V
CS03	1	DD15301020	Capacitor, Ceramic 300PF 50V
CS04	1	DD15301020	Capacitor, Ceramic 300PF 50V
JS01	1	YP10001130	Plug
JS02	1	YP10001130	Plug
JS03	1	YP10001130	Plug
JS05	1	YP10001130	Plug
JS06	1	YP10001130	Plug
JS07	1	YP10001130	Plug
JS08	1	YP10001130	Plug
JS09	1	YP10001130	Plug
JS10	1	YP10001130	Plug
JS11	1	YP10001130	Plug
JS12	1	YP10001130	Plug
JS13	1	YP10001130	Plug
JS14	1	YP10001130	Plug
JS15	1	YP10001130	Plug
JS16	1	YP10001130	Plug
JS17	1	YP10001130	Plug
PS00	1	YD39180010	P.W. Board (Print Only)
	1	ZZ39518010	Switch Assembly
RS01	1	RT05471140	Resistor, Fixed, 470Ω, ¼W
RS02	1	RT05471140	Resistor, Fixed, 470Ω, ¼W
RS03	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
RS04	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
RS05	1	RT05133140	Resistor, Fixed, 13KΩ, ¼W
RS06	1	RT05133140	Resistor, Fixed, 13KΩ, ¼W
SS01	1	SP02030040	Push Switch, Loudness, Tape Mon, Spk
CT01	1	DK16471010	Capacitor, Ceramic, 470PF, 50V
CT02	1	DK16471010	Capacitor, Ceramic, 470PF, 50V
CT03	1	DK18103010	Capacitor, Ceramic, 0.01 μF, 50V
JT01	1	BY01040060	Jack, Phono/aux W/Mag, Cer SW
JT02	1	YP10001200	Plug
JT03	1	YP10001200	Plug
JT04	1	YP10001200	Plug
JT05	1	YP10001200	Plug
JT06	1	YP10001200	Plug
JT07	1	YP10001200	Plug
JT08	1	YP10001200	Plug
PT00	1	YF39410010	PW Board (Print Only)
	1	ZZ39410010	Input Assembly W/Mag. Cer SW
RT01	1	GD05184140	Resistor, Fixed, 180KΩ, ¼W
RT02	1	GD05184140	Resistor, Fixed, 180KΩ, ¼W
RT03	1	GD05432140	Resistor, Fixed, 4.3KΩ, ¼W
RT04	1	GD05432140	Resistor, Fixed, 4.3KΩ, ¼W
CV51	1	DK18103010	Capacitor, Ceramic, 0.01 μF, 50V
JV41	1	BY01050050	Jack, DIN Socket & RCA 4p Terminal
JV52	1	YP10001200	Plug
JV53	1	YP10001200	Plug

REF. DESIG.	QTY	PART NO.	DESCRIPTION
JV54	1	YP10001200	Plug
JV55	1	YP10001200	Plug
JV56	1	YP10001200	Plug
JV57	1	YP10001200	Plug
PV51	1	YD39170020	P W Board (Print Only)
	1	ZZ39170020	Tape In/Out Assembly
RV51	1	RT05334140	Resistor, Fixed, 330KΩ, ¼W
RV52	1	RT05334140	Resistor, Fixed, 330KΩ, ¼W
RV53	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
RV54	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
C001	1	EA47601690	Capacitor, Electrolytic, 47 μF 16V
C002	1	D007223510	Capacitor, Oil-Paper 0.022 μF, 450V
C003	1	DF17223800	Capacitor, Film, 0.022 μF, 1000V
F001	1	FS10080800	Fuse, 800 mA 250V
H001	1	HI10002030	LED SLP-131B, Stereo
H002	1	HI10004030	LED SLP-132B, FM
H003	1	HI10004030	LED SLP-132B, AM
J001	1	YT01040190	Terminal, Antenna
J002	1	YL03010210	Terminal, Ground
J003	1	YT03040060	Terminal, Speaker
J004	1	YT03040060	Terminal, Speaker
J005	1	YJ01001060	Jack, Headphone
J006	1	YJ08000190	Jack, Lamp, Meter
J007	1	YJ08000190	Jack, Lamp, Dial
J008	1	YJ08000190	Jack, Lamp, Dial
J009	1	YJ05000250	Jack, LED, Stereo
J010	1	YJ05000250	Jack, LED, FM
J011	1	YJ05000250	Jack, LED, AM
J012	1	YL09030010	Terminal, Power
J013	1	YJ08000220	Jack, Fuse Holder
J014	1	BY03110010	Plug, Voltage Selector
L001	1	LF11400772	Coil, Antenna, AM
L002	1	TS17613040	Power Transformer
M001	1	IM11055060	DC Meter, Tuning
R001	1	GJ05391010	Resistor, Fixed, 390Ω, 1W
R002	1	GJ05271010	Resistor, Fixed, 270Ω, 1W
R003	1	GJ05271010	Resistor, Fixed, 270Ω, 1W
R004	1	RM02540400	Resistor, Variable Volume, 250KΩ
R005	1	RX05040020	Resistor, Variable Balance, 500KΩ
R006	1	RT05203140	Resistor, Fixed, 20KΩ, ¼W
R007	1	RT05203140	Resistor, Fixed, 20KΩ, ¼W
R008	1	RT05122140	Resistor, Fixed, 1.2KΩ, ¼W
S001	1	SR10050100	Switch, Rotary, Selector
S002	1	SP04010250	Switch, Push, Power
V001	1	IN10080420	Lamp, 8V, 200 mA, Meter
V002	1	IN10080420	Lamp, 8V, 200 mA, Dial
V003	1	IN10080420	Lamp, 8V, 200 mA, Dial
W001	1	YC01900030	AC Power Cord
C101	1	CA32500020	Capacitor, Variable, FM-3 AM-2
C103	1	DD12100010	Capacitor, Ceramic, 10PF, 50V
C104	1	DK17102010	Capacitor, Ceramic, 1000PF, 50V
C105	1	DK18203020	Capacitor, Ceramic, 0.02 μF, 50V
C106	1	DK18203020	Capacitor, Ceramic, 0.02 μF, 50V
C107	1	DD12100010	Capacitor, Ceramic, 10PF, 50V
C108	1	DD12070030	Capacitor, Ceramic, 7PF, 50V
C109	1	DD15301020	Capacitor, Ceramic, 300PF, 50V
C110	1	DD16150030	Capacitor, Ceramic, 15PF, 50V
C111	1	DK17102010	Capacitor, Ceramic, 1000PF, 50V
C112	1	DK18403020	Capacitor, Ceramic, 0.04 μF, 50V
C113	1	DD15200020	Capacitor, Ceramic, 20PF, 50V
C114	1	DD12070030	Capacitor, Ceramic, 7PF, 50V
C115	1	DD15200010	Capacitor, Ceramic, 20PF, 50V
C116	1	DD11030010	Capacitor, Ceramic, 3PF, 50V

REF. DESIG.	QTY	PART NO.	DESCRIPTION
C117	1	DD15200010	Capacitor, Ceramic, 20PF, 50V
C118	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C119	1	DK18403020	Capacitor, Ceramic, 0.04μF, 25V
C120	1	DK18403020	Capacitor, Ceramic, 0.04μF, 25V
C121	1	EV22403560	Capacitor, Electrolytic 0.22μF, 35V
C122	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C123	1	DD16501010	Capacitor, Ceramic, 500PF, 50V
C124	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C125	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C126	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C127	1	DD16200010	Capacitor, Ceramic, 20PF, 50V
C128	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C129	1	EA10601690	Capacitor, Electrolytic 10μF, 16V
C130	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C131	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C132	1	DK18403020	Capacitor, Ceramic, 0.04μF, 25V
C133	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C134	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C135	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C136	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C137	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C138	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C139	1	DK18403020	Capacitor, Ceramic, 0.04μF, 25V
C140	1	EA10601690	Capacitor, Electrolytic 10μF, 16V
C141	1	DD16201010	Capacitor, Ceramic, 200PF, 50V
C142	1	DD16201010	Capacitor, Ceramic, 200PF, 50V
C143	1	DD16201010	Capacitor, Ceramic, 200PF, 50V
C144	1	DK18403020	Capacitor, Ceramic, 0.04μF, 50V
C145	1	EA47601690	Capacitor, Electrolytic,47μF, 16V
C146	1	EA22601090	Capacitor, Electrolytic,22μF, 10V
C147	1	DK18403020	Capacitor, Ceramic, 0.04μF, 25V
C148	1	DK18203020	Capacitor, Ceramic, 0.02μF, 50V
C149	1	EA10505090	Capacitor, Electrolytic,1μF, 50V
C150	1	DD16200010	Capacitor, Ceramic, 20PF, 50V
F101	1	FF11070050	Filter, Ceramic, 10.7 MHz,MD-1
F102	1	FF11070050	Filter, Ceramic, 10.7 MHz,MD-1
H101	1	HF200491H0	FET, 2SK49H
H102	1	HT310471B0	Transistor, 2SC1407B
H103	1	HT313591B0	Transistor, 2SC1359B
H104	1	HT308291C0	Transistor, 2SC829C
H105	1	HT308291C0	Transistor, 2SC829C
H106	1	HT308291C0	Transistor, 2SC829C
H107	1	HT308291C0	Transistor, 2SC829C
H108	1	HT308291D0	Transistor, 2SC829D
H109	1	HD10003030	Diode, 1S188, FM
H110	1	HD10003030	Diode, 1S188, FM
H111	1	HT308281C0	Transistor, 2SC828R
H112	1	HD10003030	Diode, 1S188, FM
H113	1	HD10003030	Diode, 1S188, FM
H114	1	HD20010010	Diode, 1S2076A
H115	1	HD20010010	Diode, 1S2076A
H116	1	HD10003020	Diode, 20A90M
H117	1	HD10003020	Diode, 20A90M
J101	1	YP10001130	Plug
J102	1	YP10001130	Plug
J103	1	YP10001130	Plug
J104	1	YP10001130	Plug
J105	1	YP10001130	Plug
J106	1	YP10001130	Plug
J107	1	YP10001130	Plug
J108	1	YP10001130	Plug
J109	1	YP10001130	Plug
J110	1	YP10001130	Plug
J113	1	YP10001130	Plug
J114	1	YP10001130	Plug

REF. DESIG.	QTY	PART NO.	DESCRIPTION
J115	1	YP10001130	Plug
J117	1	YP10001130	Plug
J118	1	YP10001130	Plug
J119	1	YP10001130	Plug
J120	1	YP10001130	Plug
J121	1	YP10001130	Plug
J122	1	YP10001130	Plug
J126	1	YP10001130	Plug
L101	1	LA12026120	Coil, Antenna, FM
L102	1	LA12026100	Coil, Antenna, FM RF
L103	1	LO12036010	Coil, FM OSC
L104	1	LC17510010	Coil , Choke FM,10.7 MHz
L105	1	LI10016010	IFT, FM
L106	1	LI14016230	IFT,FM
P100	1	YD39171012	PW Board (Print Only)
	1	ZZ39511010	FM/AM Tuner Assembly
R101	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
R102	1	RT05105140	Resistor, Fixed, 1MΩ, ¼W
R103	1	RT05563140	Resistor, Fixed, 56KΩ, ¼W
R104	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R105	1	RT05105140	Resistor, Fixed, 1MΩ, ¼W
R106	1	RT05222140	Resistor, Fixed, 2.2KΩ, ¼W
R107	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R108	1	RT05822140	Resistor, Fixed, 8.2KΩ, ¼W
R109	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R110	1	RT05103140	Resistor, Fixed, 10KΩ, ¼W
R111	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R112	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R113	1	RT05151140	Resistor, Fixed, 150Ω, ¼W
R114	1	RT05152140	Resistor, Fixed, 1.5KΩ, ¼W
R115	1	RT05151140	Resistor, Fixed, 150Ω, ¼W
R116	1	RT05123140	Resistor, Fixed, 12KΩ, ¼W
R117	1	RT05182140	Resistor, Fixed, 1.8KΩ, ¼W
R118	1	RT05271140	Resistor, Fixed, 270Ω, ¼W
R119	1	RT05152140	Resistor, Fixed, 1.5KΩ, ¼W
R120	1	RT05273140	Resistor, Fixed, 27KΩ, ¼W
R121	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
R122	1	RT05681140	Resistor, Fixed, 680Ω, ¼W
R123	1	RT05333140	Resistor, Fixed, 33KΩ, ¼W
R124	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R125	1	RT05151140	Resistor, Fixed, 150Ω, ¼W
R126	1	RT05471140	Resistor, Fixed, 470Ω, ¼W
R127	1	RT05562140	Resistor, Fixed, 5.6KΩ, ¼W
R128	1	RT05152140	Resistor, Fixed, 1.5KΩ, ¼W
R129	1	RT05561140	Resistor, Fixed, 560Ω, ¼W
R130	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R131	1	RT05393140	Resistor, Fixed, 39KΩ, ¼W
R132	1	RT05151140	Resistor, Fixed, 150Ω, ¼W
R133	1	RT05822140	Resistor, Fixed, 8.2KΩ, ¼W
R134	1	RT05153140	Resistor, Fixed, 15KΩ, ¼W
R135	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R136	1	RT05561140	Resistor, Fixed, 560Ω, ¼W
R137	1	RT05151140	Resistor, Fixed, 150Ω, ¼W
R138	1	RT05151140	Resistor, Fixed, 150Ω, ¼W
R139	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
R140	1	RT05153140	Resistor, Fixed, 15KΩ, ¼W
R141	1	RT05682140	Resistor, Fixed, 6.8KΩ, ¼W
R142	1	RT05821140	Resistor, Fixed, 820Ω, ¼W
R143	1	RT05821140	Resistor, Fixed, 820Ω, ¼W
R144	1	RT05821140	Resistor, Fixed, 820Ω, ¼W
R145	1	RT05821140	Resistor, Fixed, 820Ω, ¼W
R146	1	RT05103140	Resistor, Fixed, 10KΩ, ¼W
R147	1	RT05103140	Resistor, Fixed, 10KΩ, ¼W
R148	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R149	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
R152	1	RT05105140	Resistor, Fixed, 1MΩ, ¼W

REF. DESIG.	QTY	PART NO.	DESCRIPTION
R153	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R154	1	RT05100140	Resistor, Fixed, 10Ω, ¼W
R155	1	RT05473140	Resistor, Fixed, 47KΩ, ¼W
R156	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
R157	1	RT05273140	Resistor, Fixed, 27KΩ, ¼W
R167	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R168	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
C201	1	DD11050010	Capacitor, Ceramic, 5PF, 50V
C202	1	DF65351010	Capacitor, Film, 350PF, 50V
C203	1	DD15150010	Capacitor, Ceramic, 15PF, 50V
C204	1	DF17103010	Capacitor, Film, 0.01µF, 50V
C205	1	DF17103010	Capacitor, Film, 0.01µF, 50V
C206	1	DF17103010	Capacitor, Film, 0.01µF, 50V
C207	1	EA10505090	Capacitor, Electrolytic,1µF, 50V
C208	1	EA47503590	Capacitor, Electrolytic,4.7µF, 35V
C209	1	EA33505090	Capacitor, Electrolytic,3.3µF, 50V
C210	1	DK17102010	Capacitor, Ceramic, 1000PF, 50V
C211	1	DF16822010	Capacitor, Film, 8200 PF, 50V
C212	1	DF17103010	Capacitor, Film, 0.01µF, 50V
C213	1	EA10701690	Capacitor, Electrolytic 100µF, 16V
C214	1	DK18403020	Capacitor, Ceramic, 0.04µF, 25V
C215	1	EV22403560	Capacitor, Electrolytic,0.22µF, 35V
C216	1	EA10701690	Capacitor, Electrolytic,100µF, 16V
C217	1	DK18403020	Capacitor, Ceramic, 0.04µF, 25V
C218	1	DK17103010	Capacitor, Ceramic, 0.01µF, 50V
C219	1	DD15250020	Capacitor, Ceramic, 25PF, 50V
H201	1	HC10003010	IC, HA1151
H202	1	HD10003030	Diode, 1S188FM
L201	1	LC11240020	Coil, Choke, AM Antenna
L202	1	LO10010490	Coil, AM OSC
L203	1	LI10280030	IFT, AM
L204	1	LI10010640	IFT, AM
L206	1	LC21050010	Coil, Choke, AM RF
R202	1	RT05562140	Resistor, Fixed, 5.6KΩ, ¼W
R204	1	RA01030250	Resistor, Trimmer, B, 10KΩ
R205	1	RT05124140	Resistor, Fixed, 120KΩ, ¼W
R206	1	RT05152140	Resistor, Fixed, 1.5KΩ, ¼W
R207	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
R208	1	RT05103140	Resistor, Fixed, 10KΩ, ¼W
R209	1	RT05621140	Resistor, Fixed, 620Ω, ¼W
R210	1	RT05103140	Resistor, Fixed, 10KΩ, ¼W
R211	1	RT05272140	Resistor, Fixed, 2.7KΩ, ¼W
R212	1	RT05101140	Resistor, Fixed, 100Ω, ¼W
R213	1	RT05151140	Resistor, Fixed, 150Ω, ¼W
R214	1	GJ05561010	Resistor, Fixed, 560Ω, 1W
R215	1	RT05334140	Resistor, Fixed, 330KΩ, ¼W
R216	1	RT05473140	Resistor, Fixed,. 47KΩ, ¼W
R217	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
R218	1	RT05683140	Resistor, Fixed, 68KΩ, ¼W
C301	1	EA10601690	Capacitor, Electrolytic 10µF, 16V
C302	1	DF16222010	Capacitor, Film, 2200PF, 50V
C304	1	DK18403020	Capacitor, Ceramic, 0.04µF, 25V
C305	1	DF16332010	Capacitor, Film, 3300PF, 50V
C306	1	EA10601690	Capacitor, Electrolytic,10µF, 16V
C307	1	EA22701690	Capacitor, Electrolytic,220µF,16V
C308	1	EV47403560	Capacitor, Electrolytic,0.47µF,35V
C309	1	EV47403560	Capacitor, Electrolytic,0.47µF,35V
C310	1	DF16272010	Capacitor, Film, 2700PF, 50V
C311	1	DF16272010	Capacitor, Film, 2700PF, 50V
C312	1	DF15332010	Capacitor, Film, 3300PF, 50V
C313	1	DF15332010	Capacitor, Film, 3300PF, 50V
C314	1	DF16272010	Capacitor, Film, 2700PF, 50V
C315	1	DF16272010	Capacitor, Film, 2700PF, 50V
C316	1	DF55821020	Capacitor, Film, 820PF, 50V
C317	1	DF55821020	Capacitor, Film, 820PF, 50V
C318	1	DF15392010	Capacitor, Film, 3900PF, 50V
C319	1	DF15392010	Capacitor, Film, 3900PF, 50V
C320	1	DF55122020	Capacitor, Film, 1200PF, 50V
C321	1	DF55472040	Capacitor, Film, 4700PF, 50V
C323	1	EA10601690	Capacitor, Electrolytic 10µF, 16V
H301	1	HC10004030	IC, LA3300
H302	1	HT308281C0	Transistor, 2SC828R
L301	1	LS10290010	Coil, MPX
L302	1	LS10290010	Coil, MPX
L303	1	LS10290150	Coil, MPX Low-Pass Filter
L304	1	LS10290150	Coil, MPX Low-Pass Filter
L305	1	LC22260010	Coil, Choke Low-Pass Filter
L306	1	LC22260010	Coil, Choke Low-Pass Filter
R301	1	RA01030250	Resistor, Trimmer, B, 10KΩ
R304	1	RT05112140	Resistor, Fixed, 1.1KΩ, ¼W
R305	1	RT05331140	Resistor, Fixed, 330Ω, ¼W
R306	1	RT05122140	Resistor, Fixed, 1.2KΩ, ¼W
R307	1	RT05682140	Resistor, Fixed, 6.8KΩ, ¼W
R308	1	RT05682140	Resistor, Fixed, 6.8KΩ, ¼W
R311	1	GJ05152010	Resistor, Fixed, 1.5KΩ, 1W
R312	1	RT05472140	Resistor, Fixed, 4.7KΩ, ¼W
R313	1	RT05473140	Resistor, Fixed, 47KΩ, ¼W
R314	1	RT05473140	Resistor, Fixed, 47KΩ, ¼W
R315	1	RT05562140	Resistor, Fixed, 5.6KΩ, ¼W
R316	1	RT05562140	Resistor, Fixed, 5.6KΩ, ¼W
R317	1	RT05334140	Resistor, Fixed, 330KΩ, ¼W
R318	1	RT05272140	Resistor, Fixed, 2.7KΩ, ¼W
R319	1	RT05362140	Resistor, Fixed, 3.6KΩ, ¼W
R320	1	RT05564140	Resistor, Fixed, 560KΩ, ¼W
C401	1	EV33501660	Capacitor, Electrolytic,3.3µF, 16V
C402	1	EV33501660	Capacitor, Electrolytic,3.3µF, 16V
C403	1	DD16101010	Capacitor, Ceramic, 100PF, 50V
C404	1	DD16101010	Capacitor, Ceramic, 100PF, 50V
C405	1	EA10701090	Capacitor, Electrolytic 100µF, 10V
C406	1	EA10701090	Capacitor, Electrolytic 100µF, 10V
C407	1	DK17102010	Capacitor, Ceramic, 1000PF, 50V
C408	1	DK17102010	Capacitor, Ceramic, 1000PF, 50V
C409	1	DF15123010	Capacitor, Film, 0.012µF, 50V
C410	1	DF15123010	Capacitor, Film, 0.012µF, 50V
C411	1	DF15332010	Capacitor, Film, 3300PF, 50V
C412	1	DF15332010	Capacitor, Film, 3300PF, 50V
C413	1	EA10505090	Capacitor, Electrolytic,1µF, 50V
C415	1	EE10505050	Capacitor, Electrolytic,1µF, 50V
C416	1	EE10505050	Capacitor, Electrolytic,1µF, 50V
C417	1	EA10703590	Capacitor, Electrolytic,100µF, 35V
H401	1	HC10012060	IC, UPC1024H
H402	1	HC10012060	IC, UPC1024H
J401	1	YP10001130	Plug
J402	1	YP10001130	Plug
J403	1	YP10001130	Plug
J404	1	YP10001130	Plug
J405	1	YP10001130	Plug
J406	1	YP10001130	Plug
J407	1	YP10001130	Plug
J408	1	YP10001130	Plug
P400	1	YD38960010	PW Board (Print Only)
	1	ZZ39512010	Phono Amp Assembly
R401	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R402	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R403	1	RT05681140	Resistor, Fixed, 680Ω, ¼W
R404	1	RT05681140	Resistor, Fixed, 680Ω, ¼W
R405	1	RT05623140	Resistor, Fixed, 62KΩ, ¼W
R406	1	RT05623140	Resistor, Fixed, 62KΩ, ¼W
R407	1	RT05274140	Resistor, Fixed, 270KΩ, ¼W
R408	1	RT05274140	Resistor, Fixed, 270KΩ, ¼W
R409	1	RT05184140	Resistor, Fixed, 180KΩ, ¼W

REF. DESIG.	QTY	PART NO.	DESCRIPTION
R410	1	RT05184140	Resistor, Fixed, 180KΩ, ¼W
R411	1	RT05274140	Resistor, Fixed, 270KΩ, ¼W
R412	1	RT05274140	Resistor, Fixed, 270KΩ, ¼W
R413	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
R414	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
R415	1	RT05681140	Resistor, Fixed, 680Ω, ¼W
R416	1	RT05681140	Resistor, Fixed, 680Ω, ¼W
R417	1	RT05473140	Resistor, Fixed, 47KΩ, ¼W
R418	1	RT05473140	Resistor, Fixed, 47KΩ, ¼W
R419	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
R420	1	RT05223140	Resistor, Fixed, 22KΩ, ¼W
R421	1	RT05221140	Resistor, Fixed, 220Ω, ¼W
R422	1	RT05184140	Resistor, Fixed, 180KΩ, ¼W
C701	1	EE33502550	Capacitor, Electrolytic,3.3µF, 25V
C702	1	EE33502550	Capacitor, Electrolytic,3.3µF, 25V
C703	1	EA47605090	Capacitor, Electrolytic,47µF, 50V
C704	1	EA47605090	Capacitor, Electrolytic,47µF, 50V
C705	1	EE10703550	Capacitor, Electrolytic,100µF, 35V
C706	1	EE10703550	Capacitor, Electrolytic,100µF, 35V
C707	1	EA10702590	Capacitor, Electrolytic,100µF, 25V
C708	1	EA10702590	Capacitor, Electrolytic,100µF, 25V
C709	1	EA10701090	Capacitor, Electrolytic,100µF, 10V
C710	1	EA10701090	Capacitor, Electrolytic,100µF, 10V
C711	1	DD15121010	Capacitor, Ceramic, 120PF, 50V
C712	1	DD15121010	Capacitor, Ceramic, 120PF, 50V
C713	1	DD16500010	Capacitor, Ceramic, 50PF, 50V
C714	1	DD16500010	Capacitor, Ceramic, 50PF, 50V
C715	1	DD16101010	Capacitor, Ceramic, 100PF, 50V
C716	1	DD16101010	Capacitor, Ceramic, 100PF, 50V
C717	1	DD16101010	Capacitor, Ceramic, 100PF, 50V
C718	1	DD16101010	Capacitor, Ceramic, 100PF, 50V
C719	1	DF16104010	Capacitor, Film, 0.1µF, 50V
C720	1	DF16104010	Capacitor, Film, 0.1µF, 50V
C721	1	EB22803550	Capacitor, Electrolytic,2200µF,, 5V
C722	1	EB22803550	Capacitor, Electrolytic,2200µF, 35V
C723	1	EA10505090	Capacitor, Electrolytic,1µF, 50V
C724	1	EA10505090	Capacitor, Electrolytic,1µF, 50V
H701	1	HT105641C0	Transistor, 2SA564R
H702	1	HT105641C0	Transistor, 2SA564R
H703	1	HT313181R0	Transistor, 2SC1318R
H704	1	HT313181R0	Transistor, 2SC1318R
H705	1	HT308281D0	Transistor, 2SC828S
H706	1	HT308281D0	Transistor, 2SC828S
H707	1	HT313181R0	Transistor, 2SC1318R
H708	1	HT313181R0	Transistor, 2SC1318R
H709	1	HT107201R0	Transistor, 2SA720R
H710	1	HT107201R0	Transistor, 2SA720R
H711	1	HT403132A0	Transistor, 2SD313D, E
R712	1	HT403132A0	Transistor, 2SD313D, E
R713	1	HT205072A0	Transistor, 2SB507D, E
R714	1	HT205072A0	Transistor, 2SB507D, E
J701	1	YP10001130	Plug
J702	1	YP10001130	Plug
J703	1	YP10001130	Plug
J704	1	YP10001130	Plug
J705	1	YP10001130	Plug
J706	1	YP10001130	Plug
J707	1	YP10001130	Plug
M701	1	IN10060390	Lamp
M702	1	IN10060390	Lamp
P700	1	YD39171032	PW Board (Print Only)
	1	ZZ39511030	Main Amp Assembly
R701	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
R702	1	RT05104140	Resistor, Fixed, 100KΩ, ¼W
R703	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R704	1	RT05102140	Resistor, Fixed, 1KΩ, ¼W
R705	1	RT05114140	Resistor, Fixed, 110KΩ, ¼W
R706	1	RT05114140	Resistor, Fixed, 110KΩ, ¼W
R707	1	RT05273140	Resistor, Fixed, 27KΩ, ¼W
R708	1	RT05273140	Resistor, Fixed, 27KΩ, ¼W
R709	1	RT05134140	Resistor, Fixed, 130KΩ, ¼W
R710	1	RT05134140	Resistor, Fixed, 130KΩ, ¼W
R711	1	RT05562140	Resistor, Fixed, 5.6KΩ, ¼W
R712	1	RT05562140	Resistor, Fixed, 5.6KΩ, ¼W
R713	1	RT05121140	Resistor, Fixed, 120Ω, ¼W
R714	1	RT05121140	Resistor, Fixed, 120Ω, ¼W
R715	1	RT05820140	Resistor, Fixed, 82Ω, ¼W
R716	1	RT05820140	Resistor, Fixed, 82Ω, ¼W
R717	1	RT05272140	Resistor, Fixed, 2.7KΩ, ¼W
R718	1	RT05272140	Resistor, Fixed, 2.7KΩ, ¼W
R719	1	RT05391140	Resistor, Fixed, 390Ω, ¼W
R720	1	RT05391140	Resistor, Fixed, 390Ω, ¼W
R721	1	RT05332140	Resistor, Fixed, 3.3KΩ, ¼W
R722	1	RT05332140	Resistor, Fixed, 3.3KΩ, ¼W
R723	1	RT05682140	Resistor, Fixed, 6.8KΩ, ¼W
R724	1	RT05682140	Resistor, Fixed, 6.8KΩ, ¼W
R725	1	RT05222140	Resistor, Fixed, 2.2KΩ, ¼W
R726	1	RT05222140	Resistor, Fixed, 2.2KΩ, ¼W
R727	1	RT05681140	Resistor, Fixed, 680Ω, ¼W
R728	1	RT05681140	Resistor, Fixed, 680Ω, ¼W
R729	1	RT05100140	Resistor, Fixed, 10Ω, ¼W
R730	1	RT05100140	Resistor, Fixed, 10Ω, ¼W
R731	1	GF05471140	Resistor, Fixed, 470Ω, ¼W
R732	1	GF05471140	Resistor, Fixed, 470Ω, ¼W
R733	1	GF05068140	Resistor, Fixed, 6.8Ω, ¼W
R734	1	GF05068140	Resistor, Fixed, 6.8Ω, ¼W
R735	1	GK05472020	Resistor, Fixed, 0.47Ω, 2W
R736	1	GK05472020	Resistor, Fixed, 0.47Ω, 2W
R737	1	GK05472020	Resistor, Fixed, 0.47Ω, 2W
R738	1	GK05472020	Resistor, Fixed, 0.47Ω, 2W
R739	1	GF05100120	Resistor, Fixed, 10Ω, ½W
R740	1	GF05100120	Resistor, Fixed, 10Ω, ½W
R743	1	RT05683140	Resistor, Fixed, 68KΩ, ¼W
R744	1	RT05683140	Resistor, Fixed, 68KΩ, ¼W
R745	1	RC10221120	Resistor, Fixed, 220Ω, ½W
R746	1	RC10221120	Resistor, Fixed, 220Ω, ½W
C801	1	DK18103510	Capacitor, Ceramic, 0.01µF, 500V
C802	1	DK18103510	Capacitor, Ceramic, 0.01µF, 500V
C803	1	EB33805030	Capacitor, Electrolytic,3300µF, 50V
C804	1	EA33705090	Capacitor, Electrolytic,330µF,50V
C805	1	EA33703590	Capacitor, Electrolytic,330µF,35V
C806	1	EA22701690	Capacitor, Electrolytic,220µF,16V
C807	1	EA22705090	Capacitor, Electrolytic,220µF,50V
C808	1	EA10705090	Capacitor, Electrolytic,100µF,50V
C809	1	DK18403010	Capacitor, Ceramic, 0.04µF, 50V
C810	1	EA10701690	Capacitor, Electrolytic,100µF,16V
H801	1	HT314072B0	Transistor, 2SC1407Q, R
H802	1	HD20004170	Diode, LR1009
H803	1	HD20004170	Diode, LR1009
H804	1	HD20004170	Diode, LR1009
H805	1	HD20004170	Diode, LR1009
H806	1	HD20013100	Diode, 10D-1
H807	1	HD20013100	Diode, 10D-1
H808	1	HD20013100	Diode, 10D-1
H809	1	HD30027090	Zener, WZ-140
J801	1	YP10001130	Plug
J802	1	YP10001130	Plug
J803	1	YP10001130	Plug
J804	1	YP10001130	Plug

REF. DESIG.	QTY	PART NO.	DESCRIPTION
J805	1	YP10001130	Plug
J806	1	YP10001130	Plug
J807	1	YP10001130	Plug
J808	1	YP10001130	Plug
J809	1	YP10001130	Plug
J810	1	YP10001130	Plug
J811	1	YP10001130	Plug
J812	1	YP10001130	Plug
J813	1	YP10001130	Plug
J814	1	YP10001130	Plug

REF. DESIG.	QTY	PART NO.	DESCRIPTION
P800	1	YD39171042	PW Board (Print Only)
	1	ZZ39511040	Power Supply Assembly
R801	1	GJ05331030	Resistor, Fixed, 330Ω, 3W
R802	1	GJ05221020	Resistor, Fixed, 220Ω, 2W
R803	1	RC10560120	Resistor, Fixed, 56Ω, ½W
R804	1	RT05183140	Resistor, Fixed, 18KΩ, ¼W
R805	1	RT05184140	Resistor, Fixed, 180KΩ, ¼W
R806	1	RC10100120	Resistor, Fixed, 10Ω, ½W

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